

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1-13 (cancelled)

Claim 14 (currently amended) A process for producing an ozonated dry ice product comprising contacting a gaseous ozone stream with liquid carbon dioxide to form a mixture, subsequently cooling the mixture of carbon dioxide and ozone to form a dry ice solid containing ozone entrapped or absorbed on or in said dry ice solid.

Claim 15 (original) The process of claim 14, wherein said liquid carbon dioxide is at a pressure of at least 70 psig.

Claim 16 (currently amended) ~~The process of claim 15~~ A process for producing an ozonated dry ice product comprising contacting a gaseous ozone stream with liquid carbon dioxide to form a mixture, subsequently cooling the mixture of carbon dioxide and ozone to form a dry ice solid containing ozone entrapped or absorbed on or in said dry ice solid, wherein said liquid carbon dioxide is at a pressure of at least 70 psig, and wherein said gaseous ozone is at a pressure of at least 90 psig.

Claim 17 (original) The process of claim 14, wherein said gaseous ozone stream comprises a mixture of ozone and oxygen.

Claim 18 (previously presented) The process of claim 17, wherein said gaseous ozone stream optionally contains an inert gas.

Claim 19 (original) The process of claim 14, wherein said dry ice solid is in the form of a powder or flake.

Claim 20 (original) The process of claim 14, wherein said dry ice solid is compressed into blocks.

Claim 21 (original) The process of claim 14, wherein said dry ice solid is extruded into pellets.

Claim 22 (original) The process of claim 14, wherein said liquid carbon dioxide is provided from a supply of liquid carbon dioxide at a pressure of from 200 to 300 psig and wherein said supply of liquid carbon dioxide is expanded to a lower pressure of at least 70 psig.

Claim 23 (original) The process of claim 14, wherein said mixture of ozone and liquid carbon dioxide is cooled by expansion in a dry ice press, and said solid dry ice is pressed into blocks.

Claim 24 (original) The process of claim 22, wherein said mixture of ozone and liquid carbon dioxide is cooled by expansion in a dry ice press, and said solid dry ice is pressed into blocks.

Claim 25 (original) The process of claim 22, wherein said gaseous ozone stream is injected into said liquid carbon dioxide as said supply of liquid carbon dioxide is expanded to said lower pressure.

Claim 26 (original) The process of claim 22, wherein said gaseous ozone stream is injected into said liquid carbon dioxide subsequent to said supply of liquid carbon dioxide being expanded to said lower pressure.

Claim 27 (original) The process of claim 14, wherein said gaseous ozone stream comprises 10 to 15% by weight ozone.

Claim 28 (original) A process of producing an ozonated dry ice product comprising contacting a gas stream containing ozone having a pressure of at least 90 psig with dry ice so as to entrap or absorb said ozone.

Claim 29 (original) The process of claim 28, wherein said dry ice is in the form of powder, flakes, or pellets.

Claim 30 (original) The process of claim 29, wherein said dry ice is in the form of powder or flakes and subsequent to contact with said gas stream, said powder or flakes are extruded into pellets.

Claim 31-44 (cancelled)

Claim 45 (new) The process of claim 16, wherein said dry ice solid is in the form of a powder or flake.

Claim 46 (new) The process of claim 16, wherein said dry ice solid is compressed into blocks.

Claim 47 (new) The process of claim 16, wherein said dry ice solid is extruded into pellets.

Claim 48 (new) The process of claim 16, wherein said gaseous ozone stream is injected into said liquid carbon dioxide as said liquid carbon dioxide is expanded to said pressure of at least 70 psig.

Claim 49 (new) The process of claim 16, wherein said gaseous ozone stream is injected into said liquid carbon dioxide subsequent to said liquid carbon dioxide being expanded to said pressure of at least 70 psig.

Claim 50 (new) The process of claim 16, wherein said gaseous ozone stream comprises 10 to 15% by weight ozone.